

SYSTEM AND METHOD FOR SELECTING A COMPRESSION ALGORITHM  
ACCORDING TO AN AVAILABLE BANDWIDTH

ABSTRACT OF THE DISCLOSURE

A gateway for communicating telecommunication information between a telecommunication network and customer premises equipment, includes a telecommunication interface, a management module, compression modules, and packetization modules. The telecommunication interface receives telecommunication information from the telecommunication network for communication to the customer premises equipment. The management module determines a bandwidth available to communicate the telecommunication information to the customer premises equipment and selects a compression algorithm according to the available bandwidth. The compression modules compress the telecommunication information using the selected compression algorithm, and the packetization modules generate data packets for communicating the telecommunication information.